



GOVERNMENT DEBT MANAGEMENT AGENCY PTE LTD.

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GOVERNMENT SECURITIES MARKET

QUARTERLY REPORT
Q2 2024



Summary

The deficit of the central government amounted to HUF 2,656.4 billion (about EUR 6.7 billion) in Q2 2024. The net financing need was decreased by HUF 658.0 billion of the net balance of transfers from the European Union and other sources. Thus, the total net financing need amounted to HUF 1,998.4 billion. Net issuance was HUF 3,646.7 billion, out of which net HUF denominated issuance was HUF 1,822.5 billion and net foreign currency denominated issuance was HUF 1,824.2 billion. The total amount of other liabilities decreased by HUF 145.2 billion in 2024.

ÁKK had set up benchmarks to maintain the optimal cost-risk characteristics of public debt. The 90-day moving average values of those benchmarks at the end of Q2 2024 were as follows:

- The share of foreign currency denominated debt within the total debt was 28.9%.
- 100% of the foreign currency debt was denominated in euro.
- The fixed-floating mix of the total (foreign currency and HUF-denominated) debt portfolio was 67.9% and 32.1%.
- The average time to refixing (ATR) of the total debt portfolio was 4.9 years.
- The average term to maturity (ATM) of the total debt was 6.0 years.
- The share of retail government securities held by the households within total debt was 21.0%.

All benchmark targets were met in Q2 2024.

The short term and the long term 3-5 year secondary market yields decreased, but the 10-15-20 year long secondary market yields increased in Q2. The 3-6 month yields decreased by 38-34 basis points and the 12 month yield decreased by 45 basis points compared to March. The 3 year yields decreased by 17 basis points, the 5 year yields decreased by 6 basis point but the 10-15 year yields increased by 7-10 basis points and the 20 year yield increased by 9 basis points. At the end of June the 1-year benchmark yield stood at 6.17%, the 5-year yield at 6.67% and the 10-year yield at 6.81% respectively. The yield of 20-year government bond was 6.80% at the last day of the second quarter.

From May 13, the discount treasury bill exchange auctions were introduced on a weekly basis. The purpose of the exchange auctions is to manage the renewal risk arising from the larger stock of each series, as well as to provide investors with the opportunity to renew their discount treasury bill investment before the expiration date.

In January 2024, Hungary's first international bond issuance this year was made in the amount of USD 2.5 billion (HUF 863.6 billion) with 12-year maturity, followed by Hungary's third EUR Green Bond issuance on 18 January in the amount of EUR 1.5 billion (HUF 577.6 billion) with a maturity of 5.5-year. The project financing foreign currency loan in the amount of EUR 1.0 billion (HUF 393.8 billion) increased the foreign currency debt in April. The amount of foreign currency securities issued under the ECP (Euro Commercial Paper) program was USD 500 million (HUF 180.4 billion) in 2024.

The liquidity in the secondary market was lower by 31% in Q2 compared to the previous quarter. OTC turnover of government securities amounted to HUF 20,849.0 billion. Primary dealers, who account for the decisive part of all secondary government securities trading, made 72% of their secondary government securities deals with non-resident investors.

The volume of non-resident holdings of Hungarian government securities decreased by HUF 151.8 billion from end-March and amounted to HUF 6,332.9 billion at the end of June. This amount represented 16.7% of domestic government securities.

The EUR/HUF exchange rate according to the National Bank of Hungary was 395.15 on the last working day of June.

The credit rating of the long-term foreign currency denominated debt of Hungary was: BBB- (Standard & Poor's); BBB (Fitch); Baa2 (Moody's) as at 30 June 2024.

MACROECONOMIC INDICATORS

	2018	2019	2020	2021	2022	2023	Q1 2024	Q2 2024
GDP growth (yearly average) ¹	5.4	4.6	-4.5	7.1	4.6	-0.8	1.7	
Industrial production ¹	3.5	5.6	-6.0	9.5	6.1	-5.5	-1.4	-3.6
Unemployment rate (%) (3-month average)	3.6	3.3	4.1	4.1	3.7	4.0	4.5	4.3
Consumer price index (yearly change) ²	2.7	4.0	2.7	7.4	24.5	5.5	3.7	3.8
Consumer price index (yearly average)	2.8	3.4	3.3	5.1	14.5	17.6		
Producer price index (yearly change) ²	4.7	2.4	6.8	22.3	34.9	-7.2	-4.7	0.2
Producer price index (yearly average)	5.5	2.1	4.2	13.5	33.7	7.8		
Net lending position of households (HUF Bn) ³	2,713.2	2,378.7	3,235.7	3,559.4	2,623.7	5,526.7	1,575.5	
Current account of balance of payments (EUR M) ⁴	215.9	-1,194.9	-1,570.9	-6,552.8	-14,095.6	377.6	1,859.8	
Net direct investments (EUR M) ⁵	-2,611.8	-879.3	-2,210.3	-3,752.4	-5,003.2	-2,429.5	-1,207.2	
Balance of the central government budget (HUF Bn)	-1,375.5	-1,023.8	-4,953.5	-4,662.3	-4,611.5	-4,293.3	-2,338.3	-2,640.6
Balance of the central government budget (GFS, per cent of GDP) ⁶	-2.8	-2.5	-11.2	-8.5	-7.2	-6.1		
Balance of the state budget (ESA, percent of GDP) ⁶	-2.1	-2.0	-7.5	-7.1	-6.2	-6.7		
Central government gross debt (HUF Bn)	28,688.2	29,682.0	36,684.3	40,697.0	45,562.4	50,865.2	54,316.1	54,870.8
Central government gross debt (per cent of GDP)	66.1	62.3	75.8	73.7	69.0	67.8		
Net foreign debt (EUR M) ⁷	11,919.1	11,528.0	11,712.9	18,290.1	21,912.9	28,623.2	25,768.7	
Net foreign debt (per cent of GDP) ⁸	8.8	7.8	8.3	11.9	12.9	14.5		
HUF/USD mid exchange rate at the end of period	280.94	294.74	297.36	325.71	375.68	346.44	367.33	369.40
HUF/EUR mid exchange rate at the end of period	321.51	330.52	365.13	369.00	400.25	382.78	395.83	395.15

Source: ÁKK, KSH, MNB, PM

¹ Same period of previous year = 100%, working day adjusted

² In case of yearly data: December/previous December, otherwise month/same month of the previous year

³ Non-consolidated data

⁴ Data compiled in accordance with the methodology used by the NBH from 2004

⁵ Including intercompany loans

⁶ Proportion of seasonally adjusted GDP

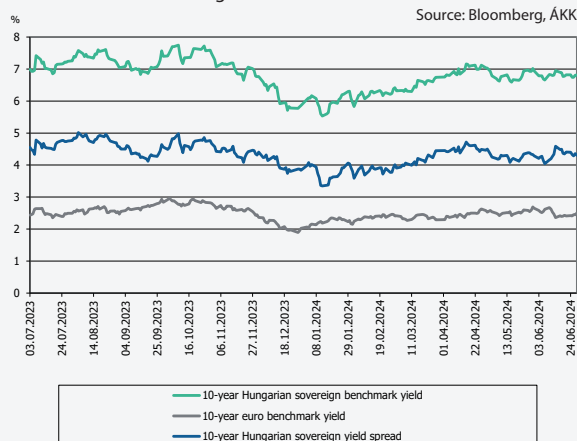
⁷ Excluding intercompany loans

⁸ 2021 value based on HUF data

ÁKK - Government Debt Management Agency
KSH - Hungarian Central Statistical Office
MNB - National Bank of Hungary
PM - Finance Ministry

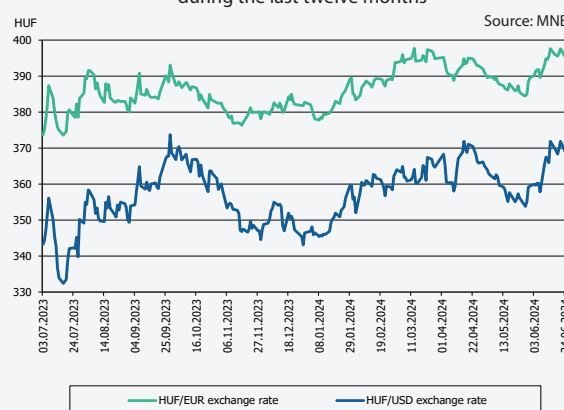
10-year Hungarian and eurozone benchmark yields during the last twelve months

Source: Bloomberg, ÁKK



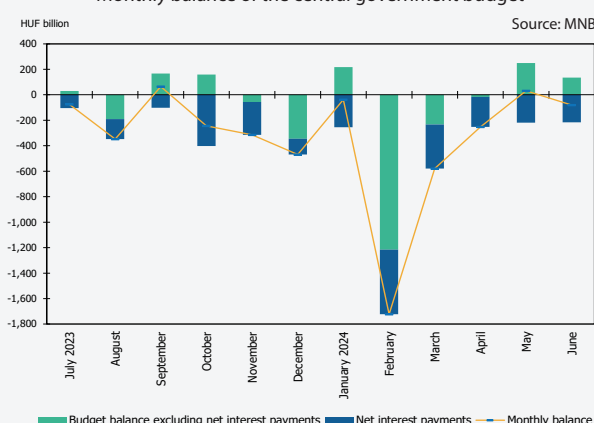
The exchange rate of the Hungarian Forint during the last twelve months

Source: MNB



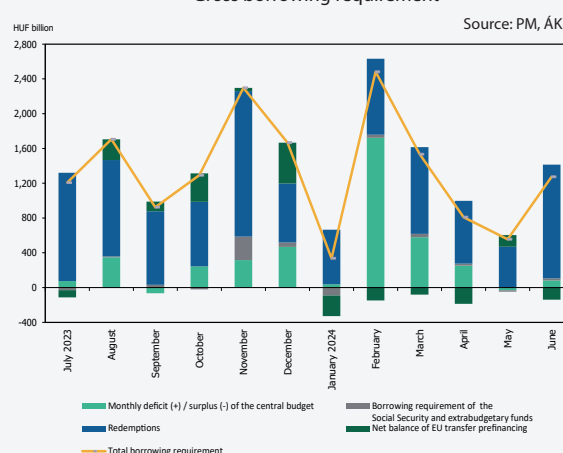
Monthly balance of the central government budget

Source: MNB



Gross borrowing requirement

Source: PM, ÁKK



CENTRAL GOVERNMENT GROSS DEBT

HUF BILLION

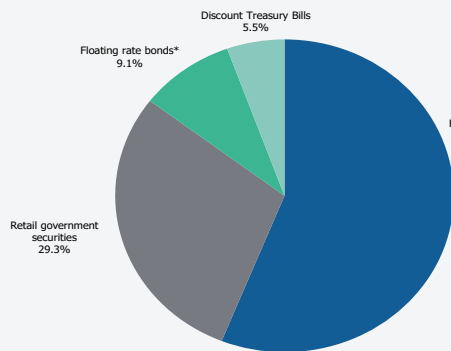
	2018	2019	2020	2021	2022	2023	Q1 2024	Q2 2024
1. Forint denominated debt	22,796.0	24,357.1	29,237.3	32,121.2	33,775.6	36,888.0	38,099.1	38,710.6
1.1. Loans	1,167.7	1,208.1	1,161.6	1,307.7	1,024.2	868.2	832.0	886.9
1.2. Government securities	21,628.3	23,149.0	28,075.7	30,813.5	32,751.4	36,019.8	37,267.1	37,823.7
1.2.1. Public issues	21,589.1	23,109.8	28,036.5	30,813.5	32,751.4	36,019.8	37,267.1	37,823.7
1.2.1.1. Bonds	12,836.1	13,378.5	18,206.6	20,220.0	22,346.3	24,058.9	24,557.4	24,652.3
1.2.1.2. Discount T-bills	1,237.3	657.3	658.2	583.2	1,785.8	1,883.8	1,944.0	2,104.0
1.2.1.3. Retail securities	7,515.7	9,074.0	9,171.7	10,010.2	8,619.4	10,072.2	10,765.6	11,067.4
1.2.2. Private placements	39.2	39.2	39.2	0.0	0.0	0.0	0.0	0.0
2. Foreign currency denominated debt*	5,724.8	5,121.2	7,318.2	8,395.2	11,397.3	13,678.3	15,587.8	16,006.6
2.1. Loans	795.0	825.4	1,291.1	1,345.2	1,959.1	2,670.0	2,795.1	3,220.7
2.1.1. Foreign loans	795.0	825.4	1,291.1	1,345.2	1,959.1	2,670.0	2,795.1	3,220.7
2.1.2. Domestic loans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2. Government securities	4,929.8	4,295.8	6,027.1	7,049.9	9,438.2	11,008.3	12,792.7	12,785.9
2.2.1. Issued abroad	4,246.2	3,713.5	5,481.3	6,594.9	9,085.5	10,535.4	12,280.5	12,259.5
2.2.2. Issued domestically	683.6	582.3	545.9	455.0	352.8	472.9	512.2	526.4
Total	28,520.7	29,478.3	36,555.5	40,516.4	45,173.0	50,566.3	53,686.8	54,717.2
Other liabilities	167.4	203.7	128.8	180.6	389.4	298.8	629.3	153.6
Total central government debt	28,688.2	29,682.0	36,684.3	40,697.0	45,562.4	50,865.2	54,316.1	54,870.8
Marketable HUF debt (1.2.1.1+1.2.1.2+1.2.2)	14,112.6	14,075.0	18,904.0	20,803.2	24,132.1	25,942.7	26,501.4	26,756.3
Gross debt/GDP	66.1%	62.3%	75.8%	73.7%	69.0%	67.8%		

* Foreign exchange debt is recorded at the mid exchange rate of the NBH at the end of the year/month.

Source: ÁKK, KSH

Composition of HUF government securities
as at 30.06.2024

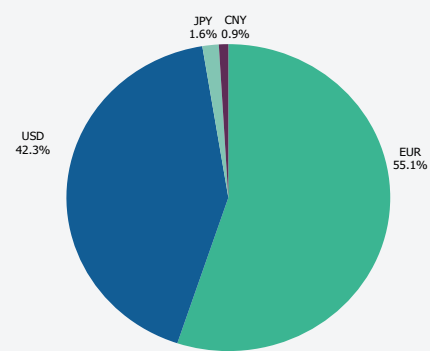
Source: ÁKK



* Without retail government securities.

Currency composition of the foreign exchange debt portfolio
before swaps as at 30.06.2024*

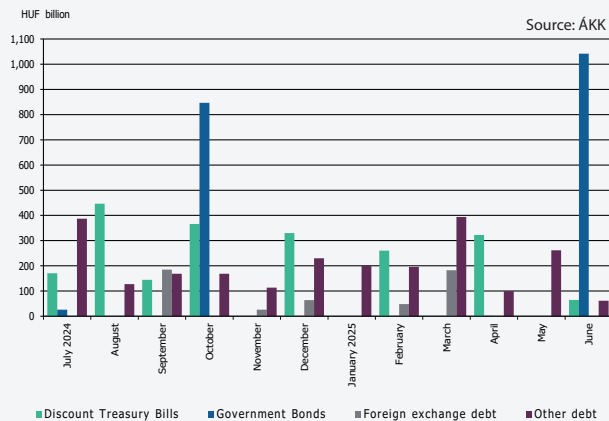
Source: ÁKK



* Composition before swaps. By using cross-currency swaps, 100% of the actual foreign exchange debt of the central government was due in euros.

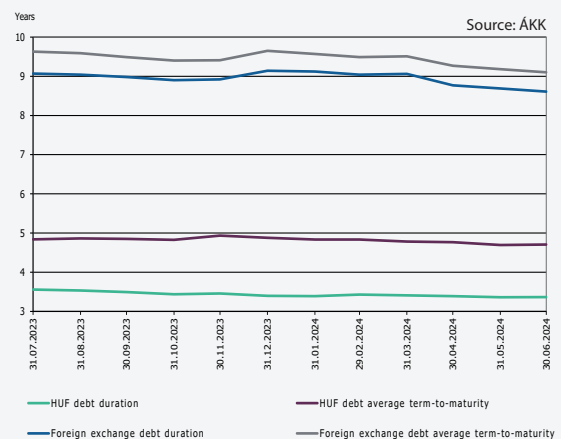
Maturity profile of the central government gross debt over
the next 12 months, as at 30.06.2024

Source: ÁKK



Average term-to-maturity of the HUF and
foreign currency debt portfolios

Source: ÁKK



GOVERNMENT BOND AUCTION RESULTS

Government Bond	2026/H	2029/A	2035/A	2041/A	2026/H	2029/A	2035/A	2029/B	2032/B	2026/H
ISIN code	HU0000406160	HU000040603	HU000040624	HU0000404165	HU0000406160	HU000040603	HU000040624	HU0000404926	HU0000406087	HU0000406160
Maturity (in years)	3	5	10	20	3	5	10	5	7	3
Coupon	9.50%	2.00%	7.00%	3.00%	9.50%	2.00%	7.00%	8.90%	8.83%	9.50%
Auction	32nd auction	72nd auction	15th auction	47th auction	33rd auction	73rd auction	16th auction	48th auction	22nd auction	34th auction
Date of auction	04.04.2024	04.04.2024	04.04.2024	11.04.2024	18.04.2024	18.04.2024	18.04.2024	25.04.2024	25.04.2024	02.05.2024
Date of financial settlement	10.04.2024	10.04.2024	10.04.2024	17.04.2024	24.04.2024	24.04.2024	24.04.2024	30.04.2024	30.04.2024	08.05.2024
Redemption date	21.10.2026	23.05.2029	24.10.2035	25.04.2041	21.10.2026	23.05.2029	24.10.2035	22.08.2029	25.08.2032	21.10.2026
Maximum annual yield (%) - ISMA	6.79	6.80	6.80	7.04	7.21	7.16	7.08	-	-	7.16
Minimum annual yield (%) - ISMA	6.75	6.72	6.77	6.97	7.15	7.13	7.05	-	-	7.15
Average annual yield (%) - ISMA	6.79	6.77	6.80	7.01	7.20	7.15	7.07	-	-	7.16
Maximum annual yield (%) - EHM	6.79	6.80	6.80	7.04	7.21	7.16	7.08	-	-	7.16
Minimum annual yield (%) - EHM	6.75	6.72	6.76	6.97	7.15	7.13	7.05	-	-	7.14
Average annual yield (%) - EHM	6.78	6.76	6.79	7.01	7.19	7.14	7.06	-	-	7.15
Maximum price (%)	106.1287	80.1081	101.7403	61.1305	105.1140	78.7565	99.5324	99.9700	99.8100	105.0503
Minimum price (%)	106.0300	79.8152	101.4835	60.6366	104.9758	78.6502	99.3025	99.8000	99.6400	105.0100
Average price (%)	106.0452	79.9371	101.5133	60.8240	105.0022	78.6903	99.3830	99.8500	99.7000	105.0212
Amount offered for sale (HUF million)	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Amount of bids submitted (HUF million)	47,870.00	72,701.00	39,302.43	14,414.00	40,848.69	40,640.00	49,570.96	37,086.91	56,600.00	74,065.74
Amount of bids accepted (HUF million)	19,499.99	26,499.99	19,999.99	9,999.99	14,999.99	15,000.00	20,000.00	15,000.00	29,999.99	25,000.00
Bid-to-cover ratio	2.45	2.74	1.97	1.44	2.72	2.71	2.48	2.47	1.89	2.96
Bids submitted (pcs)	37	56	57	49	41	46	67	26	52	56
Bids accepted (pcs)	15	19	24	34	18	22	24	21	22	19
Tail (average price - minimum price)	0.02	0.12	0.03	0.19	0.03	0.04	0.08	0.05	0.06	0.01
Market sales (HUF million)	19,499.99	26,499.99	19,999.99	9,999.99	14,999.99	15,000.00	20,000.00	15,000.00	29,999.99	25,000.00
Non-competitive offer (HUF million)	5,319.99	9,331.68	6,037.76	0.00	2,560.00	3,600.00	4,140.00	5,805.23	11,759.99	9,203.70
Total amount sales (HUF million)	24,819.98	35,831.67	26,037.75	9,999.99	17,559.99	18,600.00	24,140.00	20,805.23	41,759.98	34,203.70

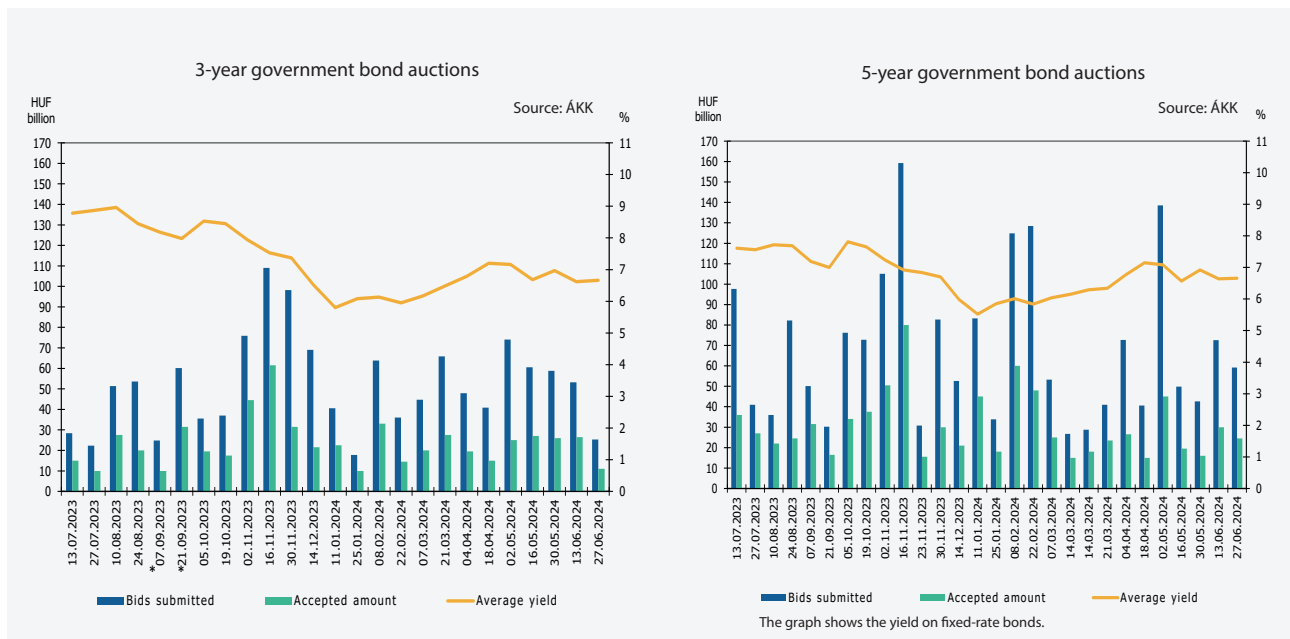
Government Bond	2029/A	2035/A	2038/A	2051/G	2026/H	2029/A	2035/A	2029/B	2032/B	2026/H
ISIN code	HU000040603	HU000040624	HU0000403555	HU0000404991	HU0000406160	HU000040603	HU000040624	HU0000404926	HU0000406087	HU0000406160
Maturity (in years)	5	10	15	30	3	5	10	5	7	3
Coupon	2.00%	7.00%	3.00%	4.00%	9.50%	2.00%	7.00%	7.28%	7.06%	9.50%
Auction	74th auction	17th auction	65th auction	9th auction	35th auction	75th auction	18th auction	49th auction	23rd auction	36th auction
Date of auction	02.05.2024	02.05.2024	09.05.2024	09.05.2024	16.05.2024	16.05.2024	16.05.2024	23.05.2024	23.05.2024	30.05.2024
Date of financial settlement	08.05.2024	08.05.2024	15.05.2024	15.05.2024	22.05.2024	22.05.2024	22.05.2024	29.05.2024	29.05.2024	05.06.2024
Redemption date	23.05.2029	24.10.2035	27.10.2038	28.04.2051	21.10.2026	23.05.2029	24.10.2035	22.08.2029	25.08.2032	21.10.2026
Maximum annual yield (%) - ISMA	7.08	6.92	6.78	6.80	6.69	6.59	6.58	-	-	6.98
Minimum annual yield (%) - ISMA	7.06	6.89	6.73	6.73	6.67	6.56	6.54	-	-	6.95
Average annual yield (%) - ISMA	7.08	6.91	6.77	6.79	6.68	6.57	6.57	-	-	6.97
Maximum annual yield (%) - EHM	7.08	6.91	6.78	6.80	6.69	6.59	6.58	-	-	6.98
Minimum annual yield (%) - EHM	7.06	6.89	6.73	6.73	6.67	6.56	6.53	-	-	6.95
Average annual yield (%) - EHM	7.07	6.90	6.76	6.78	6.68	6.57	6.56	-	-	6.97
Maximum price (%)	79.1413	100.7744	66.1761	66.4398	106.0523	81.0672	103.5673	99.5600	99.5600	105.3410
Minimum price (%)	79.0702	100.5520	65.7941	65.8090	106.0001	80.9581	103.2289	99.4700	99.3800	105.2744
Average price (%)	79.0845	100.6436	65.9166	65.9061	106.0205	81.0126	103.3416	99.5200	99.4000	105.2952
Amount offered for sale (HUF million)	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Amount of bids submitted (HUF million)	138,557.86	62,000.93	18,110.00	11,662.50	60,586.65	49,870.00	100,268.20	23,555.00	11,396.85	58,812.00
Amount of bids accepted (HUF million)	44,999.98	20,000.00	10,000.00	5,499.99	27,000.00	19,500.00	35,999.98	9,999.99	10,000.00	25,999.98
Bid-to-cover ratio	3.08	3.10	1.81	2.12	2.24	2.56	2.79	2.36	1.14	2.26
Bids submitted (pcs)	67	65	40	45	64	52	68	38	15	54
Bids accepted (pcs)	28	15	25	24	26	18	27	22	10	23
Tail (average price - minimum price)	0.01	0.09	0.12	0.10	0.02	0.05	0.11	0.05	0.02	0.02
Market sales (HUF million)	44,999.98	20,000.00	10,000.00	5,499.99	27,000.00	19,500.00	35,999.98	9,999.99	10,000.00	25,999.98
Non-competitive offer (HUF million)	16,719.98	4,520.00	0.00	0.00	8,733.34	5,840.00	8,613.50	2,746.66	0.00	2,769.34
Total amount sales (HUF million)	61,719.96	24,520.00	10,000.00	5,499.99	35,733.34	25,340.00	44,613.48	12,746.65	10,000.00	28,769.32

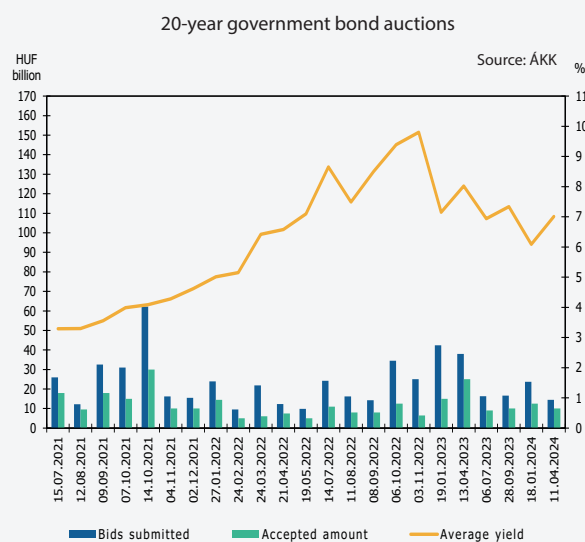
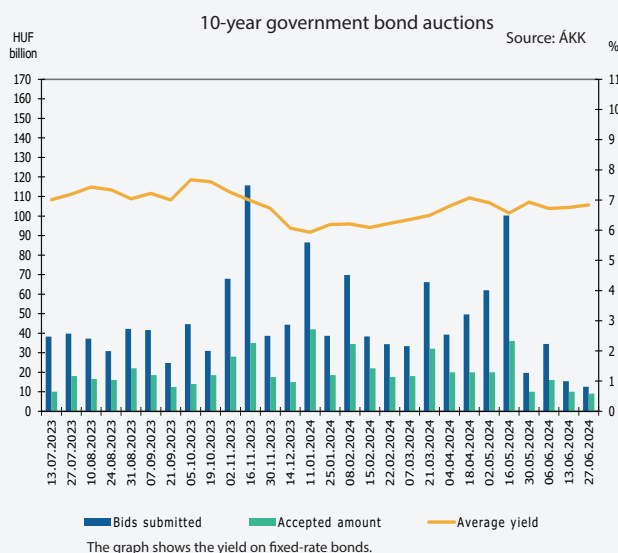
Source: ÁKK

GOVERNMENT BOND AUCTION RESULTS

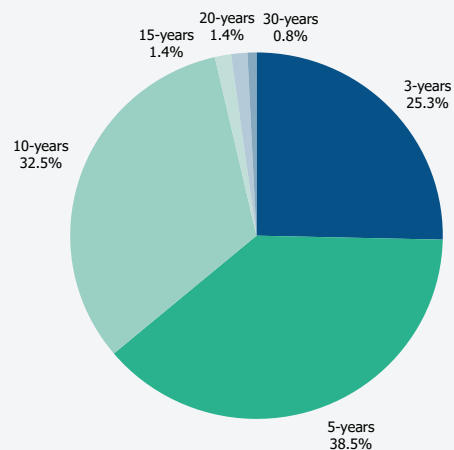
Government Bond	2029/A	2035/A	2032/G	2026/H	2029/A	2035/A	2029/B	2032/B	2027/A	2029/A	2035/A
ISIN code	HU0000404603	HU0000406624	HU0000405535	HU0000406160	HU0000404603	HU0000406624	HU0000404926	HU0000406087	HU0000403118	HU0000404603	HU0000406624
Maturity (in years)	5	10	7	3	5	10	5	7	3	5	10
Coupon	2.00%	7.00%	4.50%	9.50%	2.00%	7.00%	7.28%	7.06%	3.00%	2.00%	7.00%
Auction	76th auction	20th auction	16th auction	37th auction	77th auction	21st auction	50th auction	24th auction	62nd auction	78th auction	22nd auction
Date of auction	30.05.2024	30.05.2024	06.06.2024	13.06.2024	13.06.2024	13.06.2024	20.06.2024	20.06.2024	27.06.2024	27.06.2024	27.06.2024
Date of financial settlement	05.06.2024	05.06.2024	12.06.2024	19.06.2024	19.06.2024	19.06.2024	26.06.2024	26.06.2024	03.07.2024	03.07.2024	03.07.2024
Redemption date	23.05.2029	24.10.2035	27.05.2032	21.10.2026	23.05.2029	24.10.2035	22.08.2029	25.08.2032	27.10.2027	23.05.2029	24.10.2035
Maximum annual yield (%) - ISMA	6.93	6.94	6.73	6.64	6.65	6.76	-	-	6.68	6.69	6.85
Minimum annual yield (%) - ISMA	6.89	6.90	6.69	6.60	6.62	6.74	-	-	6.63	6.64	6.80
Average annual yield (%) - ISMA	6.92	6.93	6.72	6.62	6.64	6.75	-	-	6.66	6.66	6.84
Maximum annual yield (%) - EHM	6.93	6.94	6.73	6.64	6.64	6.76	-	-	6.68	6.68	6.85
Minimum annual yield (%) - EHM	6.89	6.90	6.69	6.60	6.62	6.73	-	-	6.63	6.63	6.79
Average annual yield (%) - EHM	6.92	6.92	6.71	6.62	6.64	6.75	-	-	6.66	6.66	6.84
Maximum price (%)	80.0095	100.6995	86.8136	106.0325	81.0992	101.9603	99.2600	99.1100	89.4803	81.1603	101.4903
Minimum price (%)	79.8674	100.3896	86.5937	105.9443	81.0001	101.7631	99.1700	99.0000	89.3442	80.9803	101.0927
Average price (%)	79.8973	100.4792	86.6604	105.9901	81.0262	101.8608	99.1900	99.0400	89.3863	81.0623	101.1681
Amount offered for sale (HUF million)	10,000.00	10,000.00	10,000.00	15,000.00	12,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Amount of bids submitted (HUF million)	42,620.00	19,690.00	34,500.00	53,200.00	72,567.00	15,409.50	37,075.30	11,240.00	25,300.00	59,200.00	12,533.54
Amount of bids accepted (HUF million)	15,999.97	9,999.98	15,999.98	26,499.98	29,999.99	10,000.00	15,499.99	8,499.99	10,999.98	24,500.00	8,999.99
Bid-to-cover ratio	2.66	1.97	2.16	2.01	2.42	1.54	2.39	1.32	2.30	2.42	1.39
Bids submitted (pcs)	53	48	52	40	50	39	38	24	36	57	34
Bids accepted (pcs)	28	24	27	20	16	21	22	19	19	24	25
Tail (average price - minimum price)	0.03	0.09	0.07	0.05	0.03	0.10	0.02	0.04	0.04	0.08	0.08
Market sales (HUF million)	15,999.97	9,999.98	15,999.98	26,499.98	29,999.99	10,000.00	15,499.99	8,499.99	10,999.98	24,500.00	8,999.99
Non-competitive offer (HUF million)	578.64	160.00	5,919.98	1,151.34	0.00	0.00	5,539.79	0.00	1,053.32	6,100.00	0.00
Total amount sales (HUF million)	16,578.61	10,159.98	21,919.96	27,651.32	29,999.99	10,000.00	21,039.78	8,499.99	12,053.30	30,600.00	8,999.99

Source: ÁKK





T-bond sales composition by tenor in Q2 2024 Source: ÁKK



INTEREST RATE RESETS OF FLOATING RATE GOVERNMENT BONDS IN Q2 2024

Government bond	Date of interest rate reset	Interest period		Date of interest payment	Reset interest rate	Interest payable
2026/O	16.04.2024	21.04.2024	21.07.2024	22.07.2024	7.63%	1.93%
2027/B	17.04.2024	22.04.2024	22.07.2024	22.07.2024	7.69%	1.94%
2028/J	16.04.2024	20.04.2024	20.04.2025	22.04.2025	19.10%	19.10%
2029/N	22.04.2024	26.04.2024	26.07.2024	26.07.2024	8.13%	2.06%
2025/J	14.05.2024	21.05.2024	21.05.2025	21.05.2025	19.00%	19.00%
2027/N	21.05.2024	26.05.2024	26.08.2024	26.08.2024	8.37%	2.14%
2029/B	16.05.2024	22.05.2024	22.08.2024	22.08.2024	7.28%	1.86%
2031/I	14.05.2024	21.05.2024	21.05.2025	21.05.2025	18.60%	18.60%
2032/B	22.05.2024	25.05.2024	25.08.2024	26.08.2024	7.06%	1.80%
2025/N	25.06.2024	30.06.2024	30.09.2024	30.09.2024	7.68%	1.96%
2028/K	14.06.2024	20.06.2024	20.06.2025	20.06.2025	19.10%	19.10%

Source: ÁKK

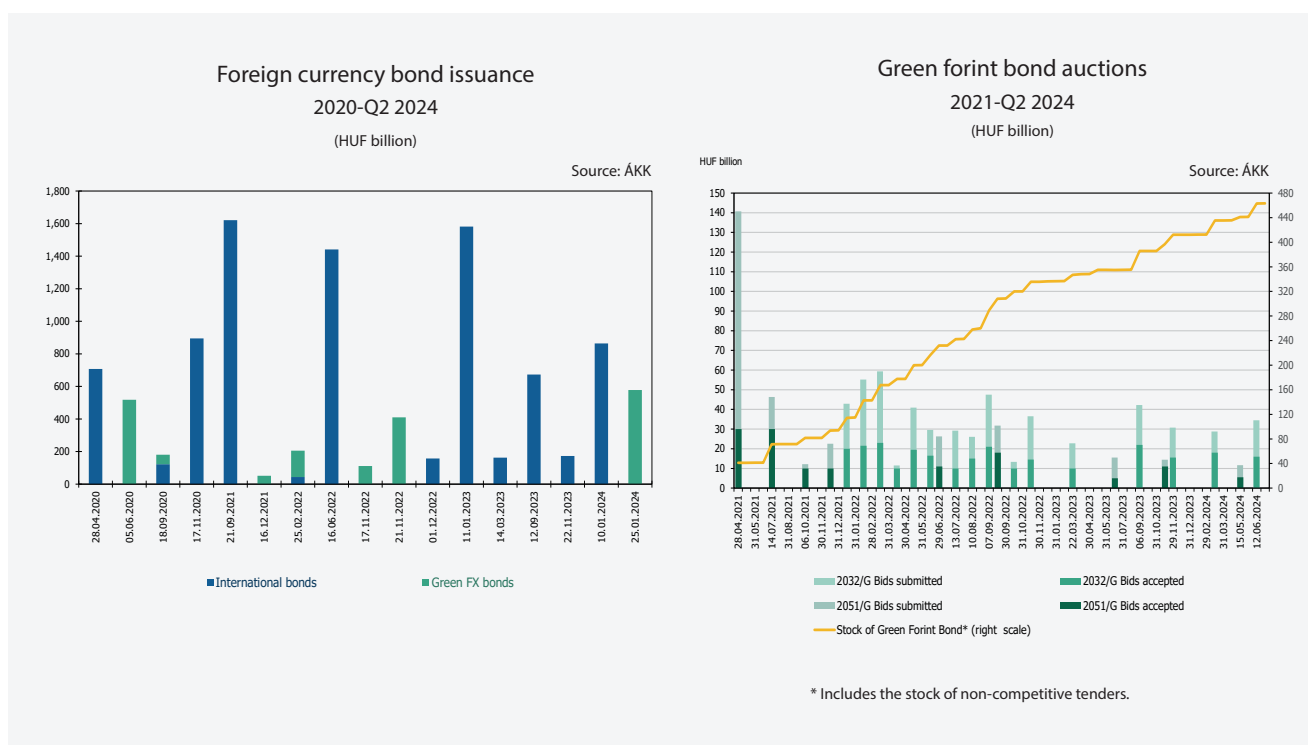
GREEN BOND ISSUANCE

In line with international efforts, Hungary, through ÁKK Zrt., intends to actively contribute to sustainable financing internationally as well as on the Hungarian domestic capital market by issuing green bonds. Within the ESG (Environmental, Social, and Governance) system, a green bond is an innovative financial product that specifically targets resources to support green investment. Green bond is issued to finance and refinance environmentally friendly projects that also take sustainability into account.

Hungary's first international euro Green Bond was issued on 2 June 2020 in the amount of EUR 1.5 billion (HUF 518.4 billion). The next green bond issue was in September 2020 denominated in Japanese yen. It was a Samurai bond in the amount of JPY 20.0 billion (HUF 57.5 billion), making Hungary the first foreign state to issue green bond in Japan. In December 2021, the first green Panda bond was also issued in the amount of CNY 1.0 billion (HUF 50 billion). The investors' interest was strong in the Chinese yuan-denominated green bond. The interest rate on the euro was below 0% (-0.013%) through the conversion to the euro in a fixed rate foreign exchange swap, making it the cheapest foreign currency bond issuance ever. In February 2022, Samurai bonds denominated in Japanese yen were issued again in the total amount of JPY 59.3 billion (HUF 161.8 billion). In November 2022, EUR 1 billion (HUF 410.5 billion) of Green Bonds and CNY 2 billion (HUF 110.9 billion) of Green Panda Bonds were issued.

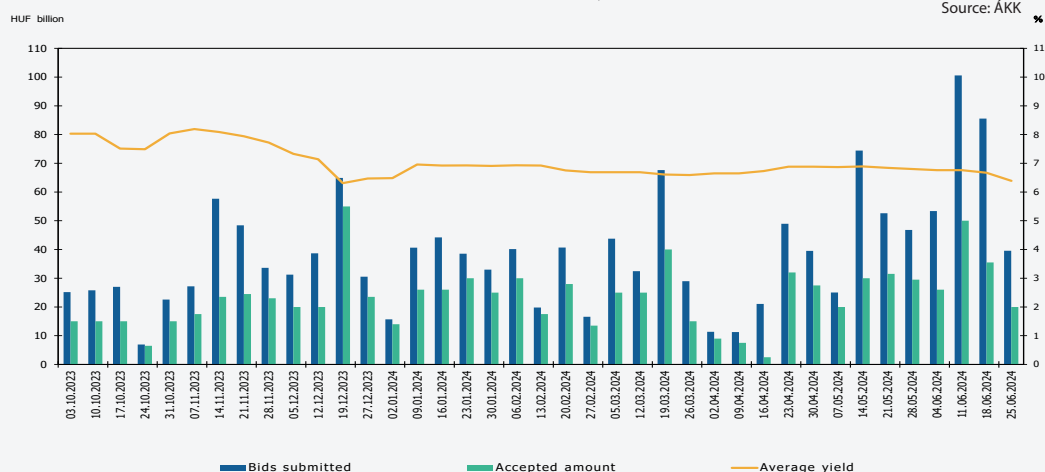
In January 2024, Hungary's third EUR Green Bond was issued in the amount of EUR 1.5 billion (HUF 577.6 billion) with a maturity of 5.5-year.

The Green Bond Framework Program was expanded to the HUF government bond market too. In April 2021 a 30-year green bond was issued, followed by the sale of a 10-year green forint bond in January 2022. By the end of June 2024, via the auctions, the green HUF bond portfolio reached HUF 463.1 billion (EUR 1.2 billion).



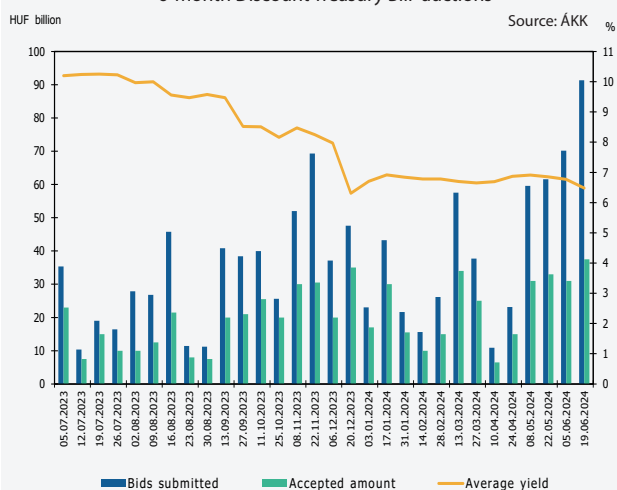
3-month Discount Treasury Bill auctions

Source: ÁKK



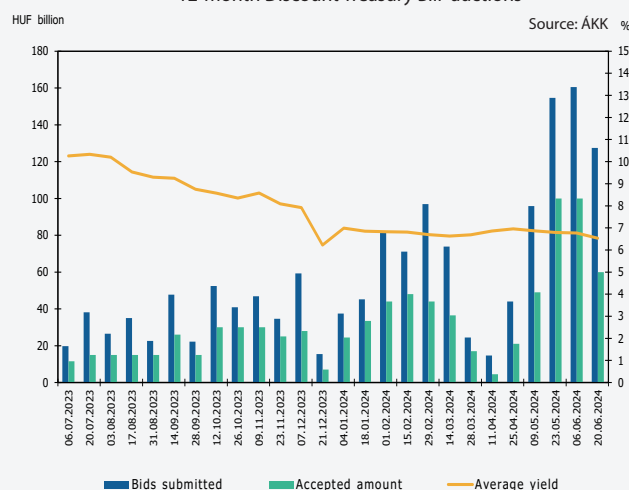
6-month Discount Treasury Bill auctions

Source: ÁKK



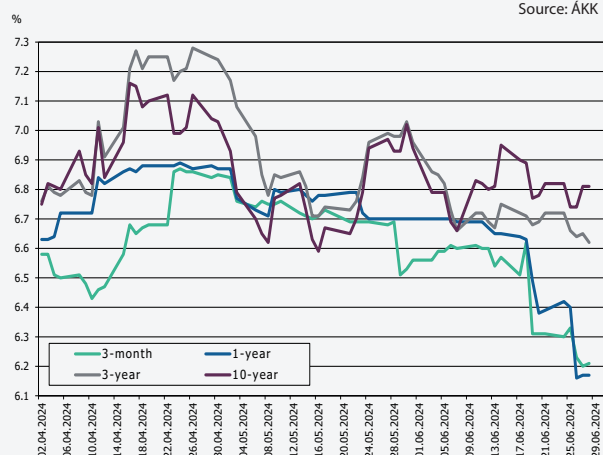
12-month Discount Treasury Bill auctions

Source: ÁKK



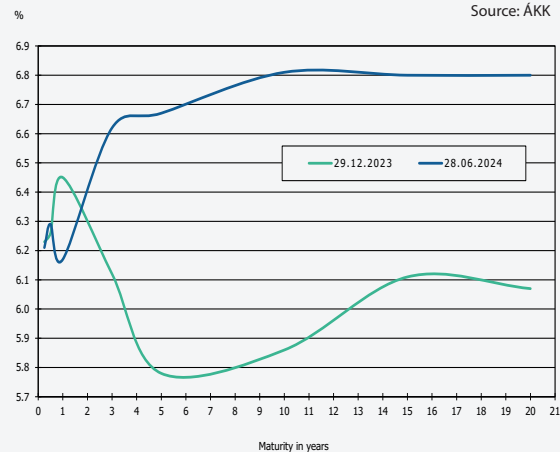
Benchmark yields in the past three months

Source: ÁKK



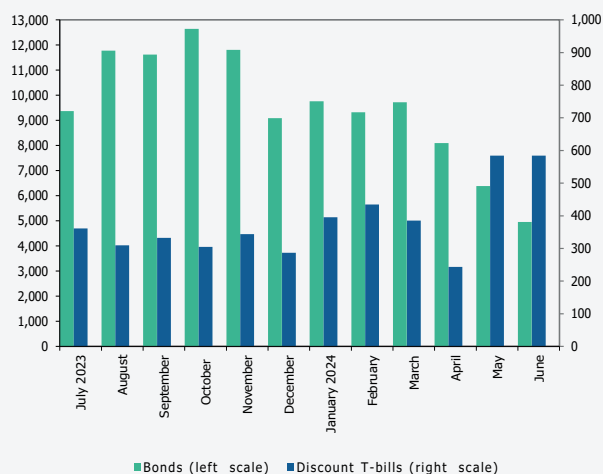
Benchmark yield curves

Source: ÁKK



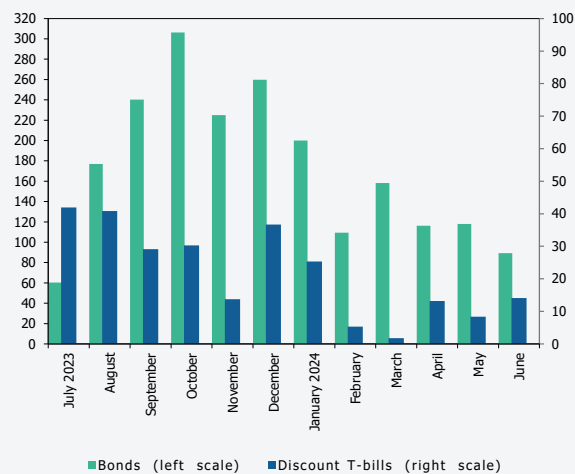
OTC
Secondary market trading of Hungarian government securities
(HUF billion)

Source: KELER



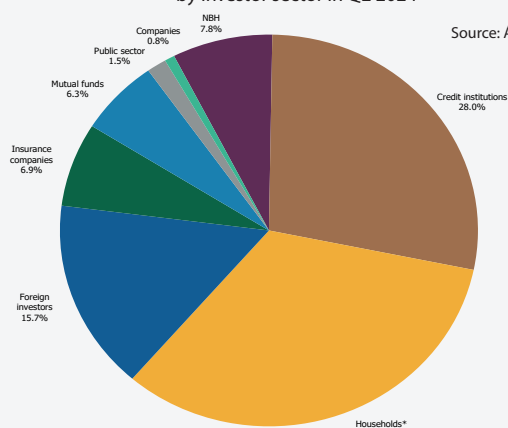
MTS Hungary trading
Secondary market trading of Hungarian government securities
(HUF billion)

Source: MTS Hungary



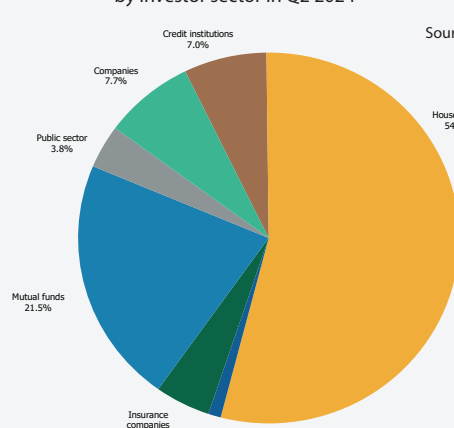
Breakdown of government securities with a maturity of over one year
by investor sector in Q2 2024

Source: ÁKK



Breakdown of government securities with maturity up to one year
by investor sector in Q2 2024

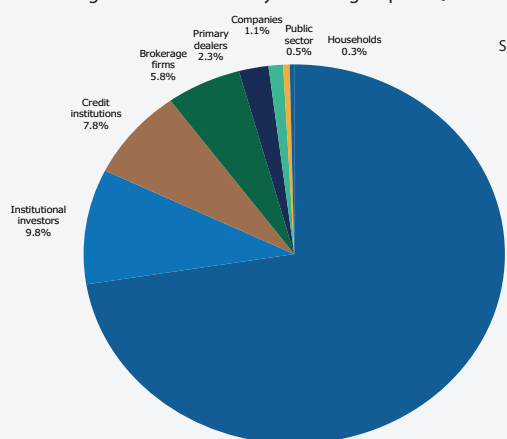
Source: ÁKK



*Government securities with a maturity of up to one year and with a maturity of over one year, the stock of Households also includes the stock of non-profit institutions serving households.

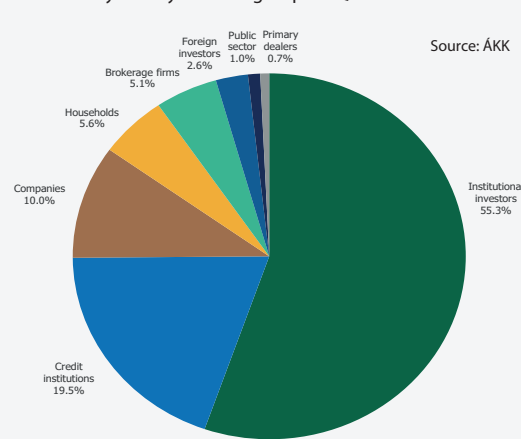
Breakdown of primary dealers' secondary market turnover in government bonds by investor groups in Q2 2024

Source: ÁKK

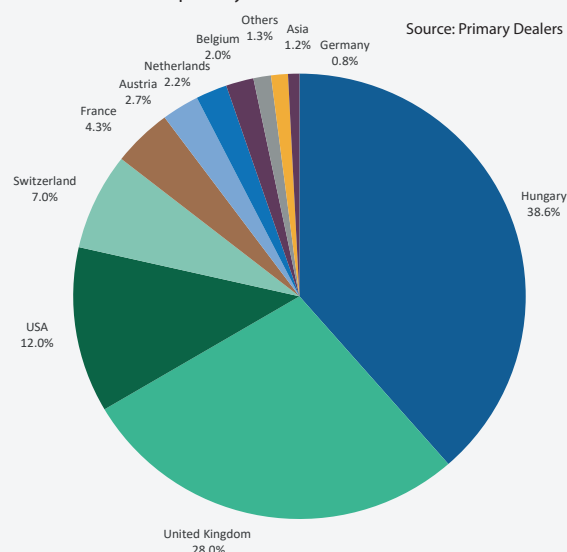


Breakdown of primary dealers' secondary market turnover in Discount Treasury Bills by investor groups in Q2 2024

Source: ÁKK

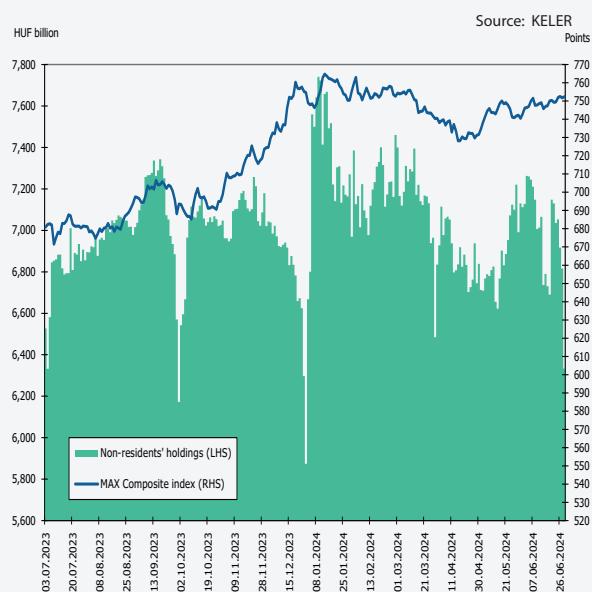


Geographical breakdown of gross turnover* of primary dealers in Q2 2024

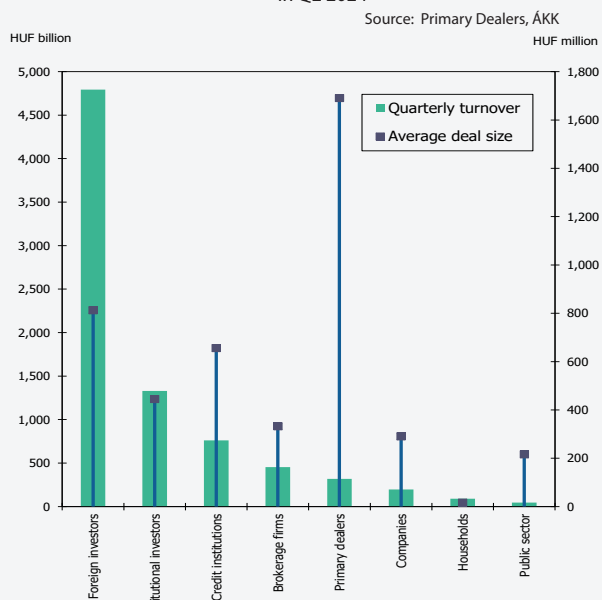


*Government bonds, Discount T-bills, OTC markets, MTS

Non-residents' holdings of Hungarian government securities and the MAX Composite index during the last year



Primary dealers' trading with different investor groups in Q2 2024



Government securities with the highest secondary market turnover in Q2 2024

Government security	Date of redemption	Turnover (HUF billion)
2026/H	21.10.2026	1,047.8
2035/A	24.10.2035	769.4
2029/A	23.05.2029	731.9
2032/A	24.11.2032	617.4
2028/A	22.10.2028	578.9
2033/A	20.04.2033	427.0
2024/C	24.10.2024	346.0
2029/B	22.08.2029	294.7
D250430	30.04.2025	241.8
2030/A	21.08.2030	197.2

Source: ÁKK

HUNGARIAN GOVERNMENT SECURITIES INDICES

	Value of the index					Annual yield earned on the index portfolio (%)				
	MAX index	HMAX index	MAX Composite index	RMAX index	ZMAX index	MAX index	HMAX index	MAX Composite index	RMAX index	ZMAX index
28.03.2024	771.8324	89.4094	740.3282	668.1890	660.7348	17.67	17.99	17.25	14.15	12.22
30.04.2024	761.6516	87.7130	731.6220	671.2118	664.1084	13.66	12.27	13.51	13.27	11.24
31.05.2024	773.9301	89.3515	742.7853	675.7147	668.4592	14.22	13.41	13.95	12.45	10.59
28.06.2024	784.1880	90.6956	752.2856	680.6241	672.7043	11.00	9.50	10.91	11.01	9.29

Source: ÁKK

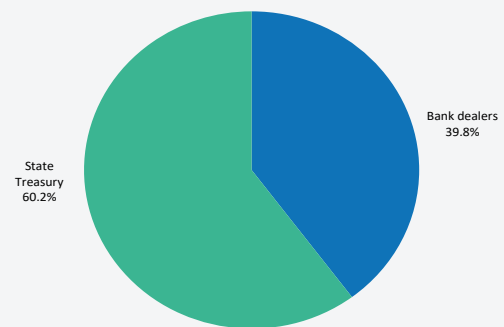
Outstanding amount of benchmark government bond series in Q2 2024

Source: ÁKK

Government bond	HUF billion		
	30.04.2024	31.05.2024	30.06.2024
2026/H	876.67	946.74	1,003.46
2029/A	1,053.77	1,140.89	1,187.60
2035/A	383.47	458.20	478.33
2038/A	1,003.16	1,013.17	1,013.17
2041/A	610.33	610.36	610.38

Breakdown of retail securities stock by distributors in Q2 2024

Source: ÁKK



PRIMARY DEALERS - AS AT 30 JUNE 2024

BNP Paribas	J.P. Morgan SE
CIB Bank Zrt.	K&H Bank Zrt.
Citibank Europe plc Hungarian Branch	MBH Bank Nyrt.
Deutsche Bank AG	OTP Bank Nyrt.
Erste Befektetési Zrt.	Raiffeisen Bank Zrt.
Goldman Sachs Bank Europe SE	UniCredit Bank AG
ING Bank N.V. Hungarian Branch	

NON-PRIMARY DEALER MARKET MAKER - AS AT 30 JUNE 2024

Morgan Stanley Europe SE

Source: ÁKK

REUTERS PAGES (CODES)

main page: HUTREASURY

Auction results are available from 11.30 (CET)	
HUISSUE	Publication of the following issues and 1-year Hungarian Government Security underwriting and results
HUAUCTION01	Discount T-bill auction result
HUAUCTION02	Government Bond auction results
HUAUCTION03	Non-competitive fixed rate benchmark bonds offer
HUAUCTION04	Non-competitive floating rate bonds offer's result
HUAUCTION05	Non-competitive fixed rate non-benchmark bonds offer
HUBUYBACK	Government Bond buyback auction results
HUEXCHANGE	Government Bond exchange auction results
HUEXCHANGE-TBILL	Discount T-bill exchange auction results
Secondary market data	
HUBONDFIX	Benchmark yield fixing
HUBONDAKK, HUBONDAKK4	Best morning secondary market quotations
HUBONDAKK2, HUBONDAKK3	Best afternoon secondary market quotations
HUBONINDEX1	Hungarian Government Total Return Index (MAX)
HUMAXCOMP, HUMAXCOMP2	MAX Composite Index
HUAKK01,HUAKK02,HUAKK03, HUAKK04, HUAKK05	Hungarian Government Total Return Index (MAX) statistics
Other	
HUFLOATER	Interest rate reset of floating rate bonds
HUBONDINFO	Primary Dealers

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